

From: Beeler, Cindy
Sent: Friday, February 02, 2018 03:22 PM
To: Mia, Marcia
Subject: FW: DECISION NEEDED ... FW: EPA-UK Webinar on Feb 5
Importance: High

FYI ... Katherine Buckley of OITA sent an email last night ... see below ...

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From: Beeler, Cindy
Sent: Friday, February 2, 2018 7:50 AM
To: Thomas, Deb <thomas.debrah@epa.gov>; Bohan, Suzanne <bohan.suzanne@epa.gov>; Patefield, Scott <Patefield.Scott@epa.gov>; Hestmark, Martin <Hestmark.Martin@epa.gov>; Monica Morales <Morales.Monica@epa.gov>
Subject: DECISION NEEDED ... FW: EPA-UK Webinar on Feb 5
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All -

Heads up - I had planned to deliver a webinar on the EPA Compliance Alert on Storage Vessels to the United Kingdom Environment Agency's Oil & Gas Programme on 2/5/18. This was listed in my Portfolio-Proposal paper and came about from a UK Delegation meeting at EPA HQ that I was asked to participate in via phone last October. During that meeting I offered the Compliance Alert training and later the UK manager followed up with me to set up a webinar date. Katherine Buckley is the OITA POC for the UK and she wants to sit in on the webinar as well. See her email below sent last night, where she shares bullets she prepared for her OD and Acting AA. She says, "Not sure if/when my Acting AA will raise this with your RA, but management wanted them handy so she can thank them for your engagement on UK bilateral work." Katherine also uses the title of "Energy Advisor" with my name in these bullets.

Questions:

Ex. 5 Deliberative Process (DP)

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- Participated on a national NSPS 0000a Workgroup call and then sat in on the Options Selection call with Bill Wehrum.

- Delivered the EPA Compliance Alert training to ~15 CDPHE staff at their request (heard from Jim Semerad this week that he's got some new staff and would like me to deliver the webinar for them as well - date TBD and I have delivered this webinar to several different states across the US).

- Spent all day Tuesday at the Colorado State University METEC test facility where we are testing the efficacy of Optical Gas Imaging (OGI). I organized several different regulatory agency Teams to come with their cameras and look for leaks over 3 days (CDPHE, COGCC, WDEQ, Boulder County, EPA R8, NEIC). This helps better bound OGI performance which in turn, can help with determining equivalency with other gas detection technologies (CO is very keen on this in context of their SIP).

- Uinta Basin Aerial IR Survey steering committee call (BLM, UDAQ, Ute Tribe, EPA and Utah State University). USU announced they will have their outreach meeting with operators on 2/14/18. BLM will be there to make introductory remarks. UDAQ and EPA will participate via webinar.

- Call with the Oilfield Waste Disposal Pond Emissions ad hoc workgroup with CO, WY, UT, NM and OK. I organized this because we are learning about the evap ponds in the Uinta Basin and their potentially significant emissions and UDAQ was looking for support in their permitting efforts. We've established a central repository to compile permits, sampling data, research, and mitigation technologies. I started reaching out to some of these vendors to see if they could present to our group.

- Participated on the ECOS Shale Gas Caucus call/webinar to learn about the EDF mobile methane challenge project.

- Began compiling data from oil & gas air emission research papers to understand the prevalence of the "super-emitter" phenomenon with wells of varying production volumes.

- Worked with Jackie Easley and Jim Kenney on the National O&G Roundtable meeting logistics.

- And today I am meeting with an oil & gas VOC emission control vendor.

Ex. 5 Deliberative Process (DP)

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From: Buckley, Katherine
Sent: Thursday, February 1, 2018 6:17 PM
To: Beeler, Cindy <Beeler.Cindy@epa.gov>
Subject: FW: EPA-UK Webinar on Feb 5

Hi Cindy - Hope you are doing well and all is set for the Monday Feb 5 webinar with the UK. Thanks again for doing this. I look forward to joining in and learning! As promised, below are the bullets I pulled together for my OD and Acting AA, per their request. Not sure if/when my Acting AA will raise this with your RA, but management wanted them handy so she can thank them for your engagement on UK bilateral work.

Thanks again and let me know if you have any questions. I am compressed tomorrow, however, my cell is [Ex. 6 Personal Privacy (PP)] if you need to reach me before Monday's webinar.

Best wishes,

Katherine

From: Buckley, Katherine
Sent: Thursday, February 01, 2018 3:56 PM
To: Kasman, Mark <Kasman.Mark@epa.gov>
Cc: Almodovar, Lisa <Almodovar.Lisa@epa.gov>; Doroski, Brenda <Doroski.Brenda@epa.gov>
Subject: EPA-UK Webinar on Feb 5

Mark -

As requested, here are a few bullets regarding the upcoming R8 Energy Advisor Webinar with UK colleagues on oil and gas issues to be held on February 5.

Thanks and let me know if you need additional information or have any questions.

Best wishes,

Katherine

Webinar on Oil and Gas Facilities:

Background-

· On Monday, February 5, R8 Energy Advisor Cindy Beeler will lead a webinar for UK Environment Agency officials on "Emissions from Controlled Storage Vessels at Onshore Oil and Natural Gas Production Facilities." This webinar is based on recent

webinar trainings R8 has provided to US audiences on the same topic.

· This engagement serves as follow-up from a UK delegation visit to EPA in early December 2017. The UK is in early days of developing its shale resources and UK officials have been interested in learning from US shale experience. Following the visit with EPA HQ, the group met with DOE and DOI. They also traveled to Houston to meet with industry representatives and then to Denver to meet with academia, industry and state regulators.

· During the December 4 meeting with EPA, the UK delegation heard from ORD, OW, and R8 experts on the hydraulic fracturing study, well injection and reinjection practices, and air emissions and leak detection technologies being applied in R8. OP's Smart Sector Oil and Gas lead also spoke and introduced this new EPA-industry partnership program. UK experts asked a number of good technical questions and expressed an interest in continuing a dialog with EPA experts. Given the interest in leak detection and air emissions in particular, the R8 expert expressed a willingness to hold a follow-up webinar on air emissions, based on other recent webinars that have been delivered in the US.

Webinar Description-

· "Compliance Alert: EPA Observes Emissions from Controlled Storage Vessels at Onshore Oil and Natural Gas Production Facilities"
(<https://www.epa.gov/sites/production/files/2015-09/documents/oilgascompliancealert.pdf>)

The EPA published a Compliance Alert because EPA and state investigations identified Clean Air Act compliance concerns regarding significant emissions from storage tanks at onshore oil and natural gas production facilities. EPA and state inspectors have observed emissions from oil & condensate storage tank pressure relief devices (PRDs), such as closed thief hatches and pressure relief valves. Inadequately designed, sized, operated, and/or maintained vapor control systems may not effectively capture and control emissions. The Alert discusses certain engineering and maintenance practices causing the compliance concerns and potential emissions-reducing solutions. We will also discuss what EPA has learned from the cases concluded to-date.